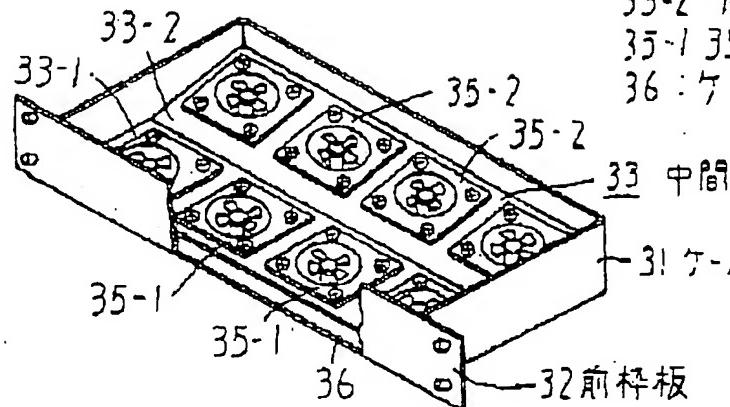
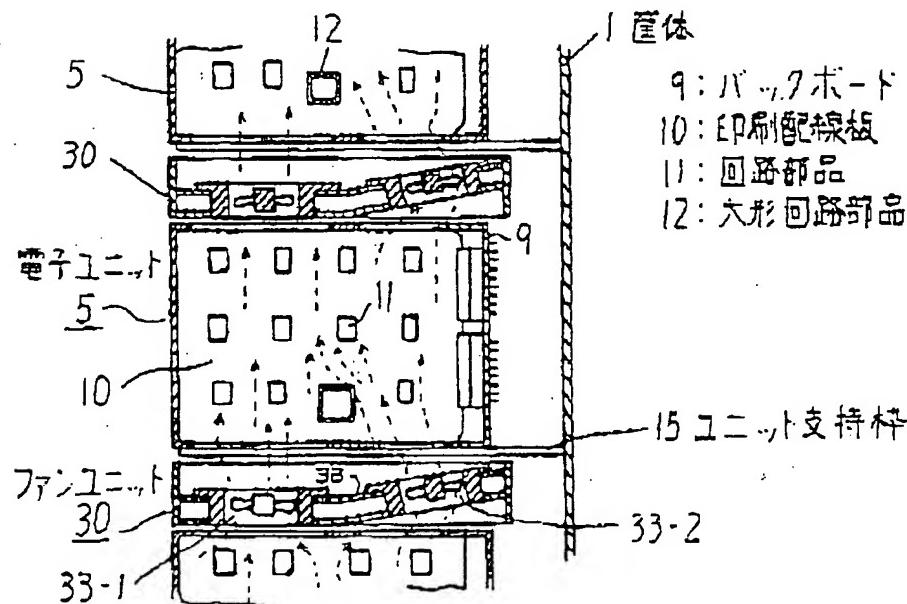


30 ファンユニット

本考案の実施例の斜視図

第 1 図



本考案における電子機器の側断面図

第 2 図

1128

実物寸 - 1:156

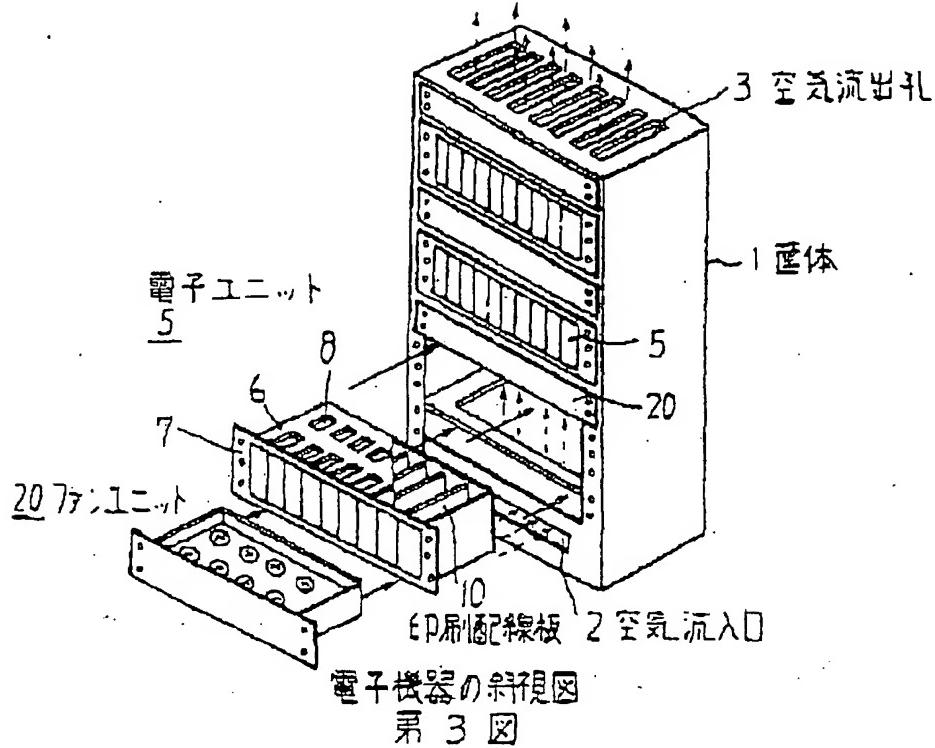
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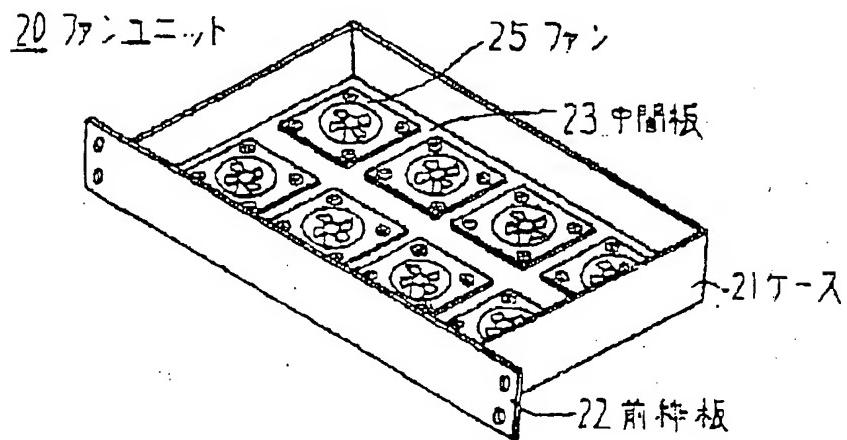
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T-531 P.024/054 F-BB3

公開実用平成 4-28496



第3図



従来例の斜視図

第4図

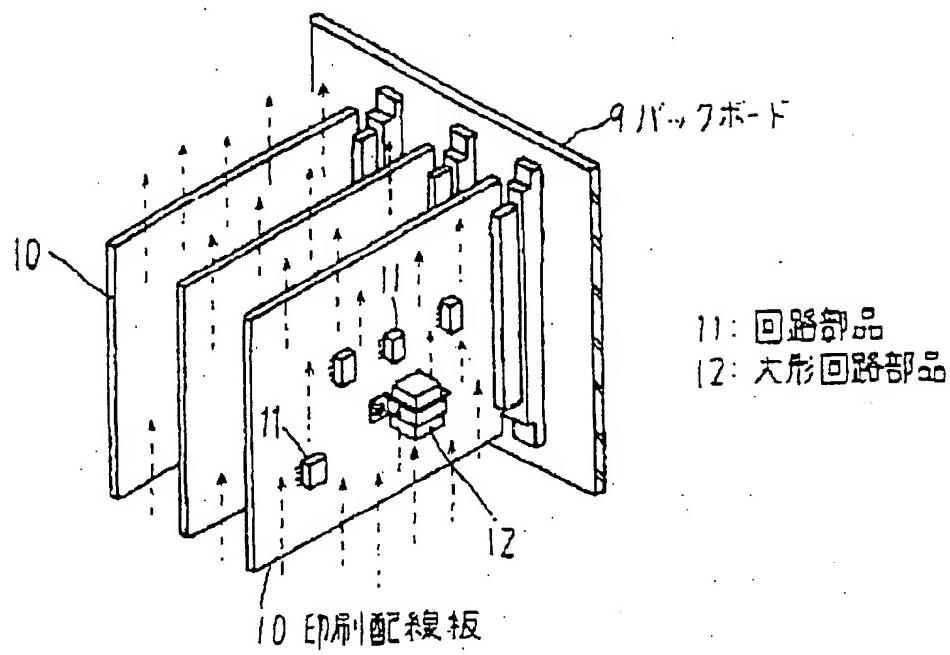
1129

実用 4-28496

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電子機器の要所斜視図

第 5 図

1130
実用4 - 26496

代理人 年賀士 井 桂 貞

(6)

19) Patent Office of Japan (JP)

(11) Laid-Open Utility Model Application Publication

(12) Official Gazette for Utility Model Publications (U)

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(51) Int. Cl.⁵ ID No. Internal Office No. (43) Kokai Publication Date: 03.06.92
H05 K 7/20 V 7301-4E

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(54) Title of the Innovation*: FAN UNIT FOR ELECTRONIC DEVICE

(21) Utility Model Application No. 2-68699

(22) Utility Model Application Date: 06.28.90

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(74) Agent: Teiichi Igeta, Patent Attorney

(57) Claims:

An electronic device comprising a plurality of electronic units organized in a multiple-cascade arrangement inside a device housing and provided with fan units 30 installed under each cascade for positively cooling printed circuit boards of said electronic units, said device being characterized by arranging a plurality of fans 35 of said fan units 30 in a lattice pattern and so that fans 35-1 of selected rows have their axes perpendicular to the bottom surfaces of said electronic units, while the axes of the remaining fans 35-2 are inclined with respect to the bottoms of said electronic units.

Brief Description of the Drawings

Fig. 1 is a three-dimensional view of the device in accordance with a practical embodiment of the present innovation. Fig. 2 is side view of the electronic device. Fig. 3 is a three-dimensional view of an electronic device. Fig. 4 is a three-dimensional view of a known device. Fig. 5 is a three-dimensional view of an essential part of the electronic device.

In the drawings:

1 – housing; 2 – air intake port; 3 – air discharge port; 5 – electronic unit; 6 – shelf; 9 – back board; 10 – printed circuit board; 11 - wiring unit; 12 – large-format circuit

*The terms "innovator" and "innovation" are used instead of "inventor" and "invention" to emphasize that this document is a Utility Model and not a Utility Patent (translator's note)

element; 15 – unit support frame; 20, 30 – fan units; 21, 31 – case; 22, 32 – front frame plate; 23, 33 – intermediate plate; 33-1 – horizontal intermediate plate section; 33-2 – inclined intermediate plate section; 36 – case bottom plate; 25, 35-1, 35-2 – fans.

